

BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

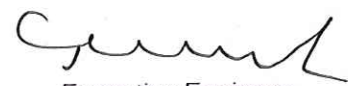
Office of the Executive Engineer Dasarahalli Division,
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Name of Work: Maintainance of Borewell at Chikkasandra & Shettyhalli, in ward no.12, in Shettyhalli
Sub-Division

Sl.No	Description of work	Unit	Qty	Rates to be Quoted	
				In Figures	In Words (Rs.)
PART -A					
A	MOTOR REWINDING				
1	Repairs to Motor: Rewinding of submersible pumpsets with copper insulation wire of suitable guage as per ISI specification with guarantee of 6 months Complete as per specification and direction of Engineer-in-charge of the work.	No.			
a)	Repairs to Motor: 7.5 HP	No.	4.00		
b)	Repairs to Motor: 10 HP	No.	22.00		
c)	Repairs to Motor: 12.5HP	No.	10.00		
B	PUMP REPAIRS				
	Replacement of pump parts the following main components of submersible pumpsets requiring replacement				
2	Replacement of Pump bowls	No.	804.00		
3	Replacement of Intermediate piece (I.P) with leaded bronze bush	No.	36.00		
4	Replacement of Oil seal steel bush	No.	72.00		
5	Replacement of Oil seal steel bush	No.	36.00		
6	Replacement of Guide vane	No.	804.00		
7	Replacement of Impeller (shell moulded with aluminium and bronze)	No.	804.00		
8	Replacement of Discharge outlet (D.O.) bearing D.O. steel bush	No.	36.00		
9	Replacement of D.O.bearing	No.	104.00		
10	Replacement of Steel bush (D.O. steel bush)	No.	104.00		

Signanture of the contractor

Number of Corrections *NIL*


Executive Engineer
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11	Replacement of Allen screw	No.	72.00		
12	Replacement of Pump shaft made out of stainless steel center less ground with key way (upto 8 stages)	No.	36.00		
13	Replacement of Pump Key	No.	104.00		
14	Replacement of Pump coupling (stainless steel)	No.	36.00		
15	Replacement of Non return valve assembly complete. Rubber 'O' ring	No.	36.00		
16	Replacement of Cable guard	No.	72.00		
17	Replacement of Stainer	No.	35.00		
18	Replacement of Brass filter	No.	36.00		
19	Replacement of Labour charges (over hauling only)	No.	36.00		
C MOTOR REPAIRS					
20.a	Above 4 HP below 5HP Stator (with one year Guarantee) 7.5 HP	No.	4.00		
b	Above 4 HP below 5HP Stator (with one year Guarantee) 10 HP	No.	22.00		
c	Above 4 HP below 5HP Stator (with one year Guarantee) 12.5 HP	No.	10.00		
21.a	Above 4 HP below 5HP Rotor (with one year Guarantee) 7.5 HP	No.	4.00		
b	Above 4 HP below 5HP Rotor (with one year Guarantee) 10 HP	No.	22.00		
c	Above 4 HP below 5HP Rotor (with one year Guarantee) 12.5 HP	No.	10.00		
22	Upper flange	No.	36.00		
23	Lower housing	No.	36.00		

Signature of the contractor

Number of Corrections *nil*

General
Executive Engineer

24	Lower flange	No.	35.00		
25	Lock ring	No.	72.00		
26	Carbon housing	No.	36.00		
27	Thrust bearing block assembly with segment bearing pad	No.	36.00		
28	Tip carbon	No.	36.00		
29	Studs and nuts	No.	576.00		
30	Bearing (gunmetal) centrifugal Cast aluminium bronze, bearing bush	No.	145.00		
31	Circlips	No.	72.00		
32	Motor base with pin	No.	36.00		
33	Labour charges (over hauling of Motor only)	No.	36.00		
34	Transportation of pumping Machineres	No.	36.00		
35	Lifting of submersible pumpset	No.	36.00		
36	Re-erection charges of pumping Machineres	No.	36.00		
D	CONTROL PANELS				
37	Supplying and fixig and wring 0 to 30 Votls direct reading DC Voltmer / Ammeter	No.	36.00		
38	Supplying and fixing and wiring 3 digitital voltmeter / ammeter	No.	31.00		
39	Supplying and fixing Single phase preventor using necessary wires over as existing panel board suitasble for motor up to 20 HP capacities	No.	36.00		
40	Supplying and fixing 4 poles power contractor with no / nc contcts on existing / panel board using necessary bolts, nuts washsers and wiring etc., Complete as per specification and direction of Engineer-in-charge of the work.	No.	36.00		

Signature of the contractor

Number of Corrections *nil*

General
Executive Engineer

41	Supplying and fixing porcelain fuse channel with cut out on existing wooden / panel sing necessary nuts, bolts and washers etc., Complete as per specification and direction of Engineer-in-charge of the work.	No.	36.00		
42	Supplying and fixing and wiring 0 to 600 Volts 96 x 96mm AC Volt meter and existing panel wood board Complete as per specification and direction of Engineer-in-charge of the work.	No.	100.00		
43	Supplying and fixing mainature circuit breakers on existiong MCB distribution boards using necessary fixing materilas, and C type curve, indicator ON / OFF energy cross 3 with short circuit breaking capacity of 10 K and Complete wiring as required. Complete as per specification and direction of Engineer-in-charge of the work.	No.	36.00		
PART - B					
44	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to cable 3 class 5 of IS 8130 - 1984 and latest amendments of IS 694 / 1990 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts Complete as per specification and direction of Engineer-in-charge of the work.	Rmt	200.00		

Signature of the Contractor

Number of Corrections: *Nil*

[Signature]
Executive Engineer,
Dasarahalli Division,

DTS Approved

[Signature] 29/10/14
Chief Engineer
Bardhat Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Name of Work: Maintenance of Borewell at Chikkasandra & Shettyhalli, in ward no.12, in Shettyhalli Sub-Division

Work Sheet for DTS

Sl.No	Description of work	Unit	Required no	Total no	Qty
PART -A					
A	MOTOR REWINDING				
1	Repairs to Motor: Rewinding of submersible pumpsets with copper insulation wire of suitable guage as per ISI specification with guarantee of 6 months Complete as per specification and direction of Engineer-in-charge of the work.	No.			
a)	Repairs to Motor: 7.5 HP	No	8	4	
b)	Repairs to Motor: 10 HP	No	43	22	
c)	Repairs to Motor: 12.5HP	No	10	10	
			61	36	
B	PUMP REPAIRS				
	Replacement of pump parts the following main components of submersible pumpsets requiring replacement				
2	Replacement of Pump bowls	No.			
a	For 7.5 HP		4	16.00	64
b	For : 10 HP		22	20.00	440
c	For : 12.5HP		10	30.00	300
					804
3	Replacement of Intermediate piece (I.P) with leaded bronze bush	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
4	Replacement of Oil seal steel bush	No.			
a	For 7.5 HP		4	2.00	8
b	For : 10 HP		22	2.00	44
c	For : 12.5HP		10	2.00	20
					72
5	Replacement of Oil seal steel bush	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
6	Replacement of Guide vane	No.			
a	For 7.5 HP		4	16.00	64
b	For : 10 HP		22	20.00	440
c	For : 12.5HP		10	30.00	300
					804
7	Replacement of Impeller (shell moulded with aluminium and bronze)	No.			
a	For 7.5 HP		4	16.00	64
b	For : 10 HP		22	20.00	440
c	For : 12.5HP		10	30.00	300
					804

18	Replacement of Brass filter	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
19	Replacement of Labour charges (over hauling only)	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
C	MOTOR REPAIRS				
20.a	Above 4 HP below 5HP Stator (with one year Guarantee) 7.5 HP	No.	4.00	5940.00	
b	Above 4 HP below 5HP Stator (with one year Guarantee) 10 HP	No.	22.00	5940.00	
c	Above 4 HP below 5HP Stator (with one year Guarantee) 12.5 HP	No.	10.00	5940.00	
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
21.a	Above 4 HP below 5HP Rotor (with one year Guarantee) 7.5 HP	No.	4.00	4400.00	
b	Above 4 HP below 5HP Rotor (with one year Guarantee) 10 HP	No.	22.00	4400.00	
c	Above 4 HP below 5HP Rotor (with one year Guarantee) 12.5 HP	No.	10.00	4400.00	
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
22	Upper flange	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
23	Lower housing	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
24	Lower flange	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
25	Lock ring	No.			
a	For 7.5 HP		4	2.00	8
b	For : 10 HP		22	2.00	44
c	For : 12.5HP		10	2.00	20
					72
26	Carbon housing	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36

D CONTROL PANELS					
37	Supplying and fixing and wiring 0 to 30 Volts direct reading DC Voltmeter / ammeter	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
38	Supplying and fixing and wiring 3 digital voltmeter / ammeter	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
39	Supplying and fixing Single phase preventor using necessary wires over as existing panel board suitable for motor up to 20 HP capacities	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
40	Supplying and fixing 4 poles power contractor with no / nc contacts on existing / panel board using necessary bolts, nuts washers and wiring etc., Complete as per specification and direction of Engineer-in-charge of the work.	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
41	Supplying and fixing porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washers etc., Complete as per specification and direction of Engineer-in-charge of the work.	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36
42	Supplying and fixing and wiring 0 to 600 Volts 96 x 96mm AC Voltmeter and existing panel wood board Complete as per specification and direction of Engineer-in-charge of the work.	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	3.00	66
c	For : 12.5HP		10	3.00	30
					100
43	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials, and C type curve, indicator ON / OFF energy cross 3 with short circuit breaking capacity of 10 K and Complete wiring as required. Complete as per specification and direction of Engineer-in-charge of the work.	No.			
a	For 7.5 HP		4	1.00	4
b	For : 10 HP		22	1.00	22
c	For : 12.5HP		10	1.00	10
					36

EXECUTIVE ENGINEER

Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-73